# CIVIL TECH LABS

Accredited by NABL as per ISO/ IEC 17025 : 2005

# 5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560027

Ph: 080 - 4114 2867 / Mob: 96862 31801, Email: civiltechlabs@gmail.com

T-2654


To,

Assistant Executive Engineer
Yelahanka New Town Sub Division,
BBMP Bangalore.

29th June 2014

Dear Sir,

**Sub:** Procurement of shedder equipment in ward no. 03.
Testing of cubes – Reg.

As requested the 28th day Compressive Strength Test of Cubes was carried out for the above work for the samples supplied by you.

Please find the enclosed Test Reports of the above.

Thanking you,

**For Civil Tech Labs,**

Khushboo

**(KHUSHBOO L.)**
**Deputy Quality Manager**

AE U-3

# CIVIL TECH LABS

## TEST REPORT ON CONCRETE CUBES

| | |
|---|---|
| Name of the Client | AEE, Yelahanka New Town Sub Division, BBMP |
| Project | Procurement of shedder equipments in ward no. 03. |
| Agency | M/s. Technical Manager, BNHH. |
| Grade of Concrete | M 20 |
| No. of cubes tested | 3 |
| Dimension of specimen | 150mmx150mmx150mm |
| Cross Sectional Area | 22500 Sq.mm |
| Technical reference | IS: 516-1959( Reaffirmed 2004) |

| Sl.No | Identification | Date of Casting | Date of Testing | Age of test (Days) | Weight (Kg) | Failure Load (KN) | Compressive Strength (N/Sq.mm) | Avg Compressive Strength (N/Sq.mm) |
|---|---|---|---|---|---|---|---|---|
| 1 | Sample 1 | 01/06/2014 | 29/06/2014 | 28 | 8.19 | 490 | 21.78 | 21.75 |
| 2 | | | | | 8.20 | 495 | 22.00 | |
| 3 | | | | | 8.18 | 485 | 21.56 | |

Note:

1. The results relate only to the items tested.
2. Report shall not be reproduced except in full, without the written approval of the lab.
3. Any correction invalidates this report.
4. The results are based on the test conducted on samples supplied by the client.

CIVIL TECH LABS
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Lab Incharge
Civil Tech Labs

CIVIL TECH LABS BANGALORE

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T-2654


To,

Assistant Executive Engineer
Yelahanka New Town Sub Division,
BBMP Bangalore.

28th May 2014

Dear Sir,

**Sub:** Testing of Materials.

As requested, tests on physical properties were carried out for the Materials supplied by you, for the work of **'Procurement of shedder equipment in ward no. 03.'**

Please find the enclosed Test Reports of the above.

**Thanking You,**
**For Civil Tech Labs**

Khushboo

CIVIL TECH LABS

**(KHUSHBOO L.)**
**Deputy Quality Manager**

AE LJ. 3

# CIVILTECH LABS

## TEST REPORT ON FINE AGGREGATES Ref:IS:383/2386

| | |
|---|---|
| Name of the Client | AEE, Yelahanka New Town Sub Division, BBMP |
| Name of Work | Procurement of shedder equipment in ward no. 03. |
| Agency Name | M/s. Technical Manager, KRIDL. |

| Sample | Date of Testing | Specific Gravity | IS Sieve designation (mm) | Sieve Analysis (% Passing IS sieve) | Grading Requirement As Per IS 383-1970 | | | | Grading Zone |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | ZONE-I | ZONE-II | ZONE-III | ZONE-IV | |
| Fine Aggregates | 28/05/2014 | 2.56 | 10 | 100 | 100 | 100 | 100 | 100 | II |
| | | | 4.75 | 98.6 | 90-100 | 90-100 | 90-100 | 95-100 | |
| | | | 2.36 | 83.2 | 60-95 | 75-100 | 85-100 | 95-100 | |
| | | | 1.18 | 65.1 | 30-70 | 55-90 | 75-100 | 90-100 | |
| | | | 0.6 | 46.9 | 15-34 | 35-59 | 60-79 | 80-100 | |
| | | | 0.3 | 22.1 | 5-20 | 8-30 | 12-40 | 15-50 | |
| | | | 0.15 | 7.9 | 0-10 | 0-10 | 0-10 | 0-15 | |

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# CIVILTECH LABS

## TEST REPORT ON COARSE AGGREGATES 20mm ↓ Graded Ref.IS:383/2386

| | |
|---|---|
| Name of the Client | AEE, Yelahanka New Town Sub Division, BBMP |
| Name of Work | Procurement of shredder equipment in ward no. 03. |
| Agency Name | M/s. Technical Manager, KRIDL. |

| Sample | Date of Testing | Specific Gravity | Absorption in % | IS Sieve Designation (mm) | Sieve Analysis (% Passing IS Sieve) | Grading Requirement As Per IS 383-1970 | Remarks |
|---|---|---|---|---|---|---|---|
| 20mm Down Graded | 28/05/2014 | 2.62 | 0.32 | 40 | 100 | 100 | Satisfies The Requirement |
| | | | | 20 | 98.9 | 95-100 | |
| | | | | 10 | 43.4 | 25-55 | |
| | | | | 4.75 | 7.2 | 0-10 | |

**Note:**

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CIVIL TECH LABS BANGALORE

# CIVILTECH LABS

## TEST REPORT ON COARSE AGGREGATES 40mm ↓ Graded Ref:IS:383/2386

| | |
|---|---|
| Name of the Client | AEE, Yelahanka New Town Sub Division, BBMP |
| Name of Work | Procurement of shedder equipment in ward no. 03. |
| Agency Name | M/s. Technical Manager, KRIDL. |

| Sample | Date of Testing | Specific Gravity | Absorption in % | IS Sieve designation (mm) | Sieve Analysis (% Passing IS Sieve) | Grading Requirement As Per IS 383-1970 | Remarks |
|---|---|---|---|---|---|---|---|
| 40mm Down Graded | 28/05/2014 | 2.68 | 0.28 | 80 | 100 | 100 | Satisfies The Requirements |
| | | | | 40 | 98.9 | 95-100 | |
| | | | | 20 | 56.2 | 30-70 | |
| | | | | 10 | 23.5 | 10-35 | |
| | | | | 4.75 | 3.1 | 0-5 | |

**Note:**

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# CIVILTECH LABS

## TEST REPORT ON CEMENT

| | |
|---|---|
| Name of the Client | AEE, Yelahanka New Town Sub Division, BBMP |
| Name of Work | Procurement of shredder equipment in ward no. 03. |
| Agency Name | M/s. Technical Manager, KRIDL. |

| Tests on Cement | Test Date | Tests | Test Method As Per IS & Apparatus | | Results | | Requirements As Per IS 8112 1989 | Remarks |
|---|---|---|---|---|---|---|---|---|
| | | | IS Code | Method | Value | Unit | | |
| | 28/05/2014 | Initial Setting Time | IS-4031 (Part-5) 1988 | VICAT | 49 | min | Not Less Than 30 Minutes | Satisfies Requirement |
| | | Final Setting Time | IS-4031 (Part-5) 1988 | VICAT | 489 | min | Not More Than 600 Minutes | Satisfies Requirement |
| | | Soundness | IS-4031 (Part-3) 1988 | LE-CHATELIER | 1 | mm | Not More Than 10 mm | Satisfies Requirement |

**Note:**

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